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16 December 1953

MEMO FOR THE RECORD

SUBJECT: Project Monitor at [] under
P-101, P115.

1. Attendance

[]

2. Discussion on P-101 Communication System, Infra Red.

a. The question of power sources was again discussed. APD suggested that a comparison of size, weight, life and costs be made between the motor generator pack envisioned by [] and an equivalent power capacity in silvercells. APD suggested also that it might be a good idea to examine the possibility of using battery and generator supplies alternately depending on the degree of quiet required.

APD authorized [] to proceed with investigating the costs of developing a motor generator under the assumption that the developing company might retain the rights to commercially exploit the developed item.

[] is still considering the choice of transmitter detector system. There are two alternatives (1) a PbS sulfide broad band detector with a broad band tungsten transmitter source beam modulated and (2) a narrow band photo multiplier detector and a narrow band cesium transmitter source.

The "Carver of Navy Case" was further investigated. [] is building some I.R. gear for the Navy. This gear requires a motor generator. [] apparently discovered that [] was making such a generator and has purchased one for the Navy project. Carver comes into the case because he is project monitor for the Navy on this particular job. Because the Commo project on the generator was originally started by Signal Corps and they have retained the right to procure the generator there seems to be no great problem in the Navy also procuring the generator. The question of where [] got permission to sell the generator to [] is a good one.

3. Discussion of P-115 Transistorized Receivers and Transmitters.

The authorizing copy of Task II had not reached [] at the time of our business; it was then in the mail. Consequently [] has made no great effort on the project.

[] has, however, for its own enlightenment constructed

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a tuned radio frequency receiver utilizing 5 transistors. The receiver is fixed tuned to 550 kc and is designed to be the size of a cigarette pack. It has an accessory antenna (ferrite red) 6 inches long and 3/8 inches in diameter. [] has already started to reduce the size of this receiver so that it will be about 1/2 of a cigarette pack.

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Some discussion was made of the possibilities of concealing transceiver microphones and headphones so that covert operation is possible. The use of a pipe to conceal a microphone and the use of short range induction links to replace cabling were mentioned.

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4. Actions

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✓ a. APD will straighten out the [] clearance situation by having the Liaison and Security Officer, TSS and [] inform [] of the latest complete list of [] - Chicago clearances. The appropriate deletions will be made for the following employees who are no longer with []:

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An attempt will be made to expedite the following clearances:

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o.p. b. APD will inform Commo of the results of the "Carver of Navy" investigation and will arrange permission for [] to do further motor generator work with [].

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✓ c. [] will submit a letter report covering work done on P-101 to date.

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d. [] will examine silvercells vs. motorgenerators as power sources and will examine the possibility of alternate power supplies.

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Distribution:
Orig. -1 P-101
1 - P115
1 - Chrono.
AST/ata

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